

PATENT

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Claims:

1. A wall element at least substantially made of cellulose material, comprising two outer layers extending at least substantially parallel to each other, between which an intermediate layer is provided, characterized in that said intermediate layer extends between the outer layers in a zigzag fashion, wherein the parts of the intermediate layer that extend from one outer layer to the other are at least substantially flat.
2. A wall element according to claim 1, wherein the parts extending from one outer layer to the other extend at an angle of less than 90°, preferably between 30° and 75°, more preferably between 45° and 65°.
3. A wall element according to claim 1, wherein the parts extending from one outer layer to the other bound a flat portion of the intermediate layer, which abuts against an outer layer over a distance of 0-5 cm, preferably 0-3 cm, more preferably 0-2 cm.
4. A wall element according to claim 1, wherein the parts extending from one outer layer to the other form a fold having a radius of less than 10 mm, preferably less than 5 mm, with each other.
5. A wall element according to claim 1, wherein said intermediate layer is at least substantially made of a material selected from the group of corrugated cardboard, massive cardboard and wood.
6. A wall element according to claim 1, wherein said outer layers are at least substantially made of a material selected from the group of the corrugated cardboard, massive cardboard and wood.

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7. A wall element according to claim 5, wherein said intermediate layer and/or said outer layers is (are) at least substantially made of corrugated cardboard exhibiting a crimped surface profile.

8. A wall element for manufacturing a wall element according to claim 1, wherein said wall element is arranged for accommodating piping, cables and the like and/or insulation material and/or stiffening material in the intermediate layer thereof.

9. A method for manufacturing a wall element according to claim 1, which method comprises the steps of:

pressing a strip of a starting material, which is at least substantially made of cellulose, against a mould having a zigzag surface for the purpose of pressing a zigzag shape in said strip of starting material so as to form the intermediate layer;

subsequently affixing the outer layers, which are at least substantially made of cellulose, to both sides of the intermediate layer.

10. A method according to claim 9, wherein folding lines are formed in the strip of starting material prior to pressing said strip against the mould.

11. A method according to claim 9, wherein the intermediate layer is affixed to a carrier as a semi-finished product.

12. A method according to claim 9, wherein the strip of starting material is positioned relative to the mould by means of an underpressure between the strip of starting material and the mould.

13. A device for carrying out a method according to claim 9, comprising a mould having a zigzag surface.